

FIG. 1A
PRIOR ART

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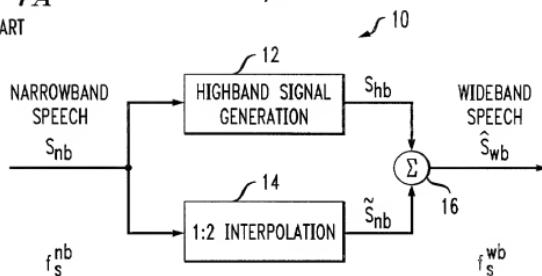
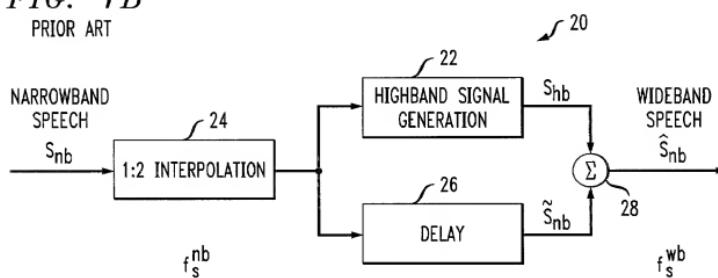
FIG. 1B
PRIOR ART

FIG. 2A

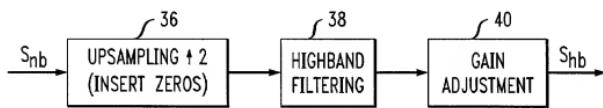
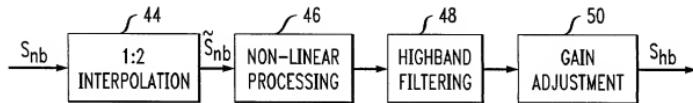


FIG. 2B



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FIG. 3

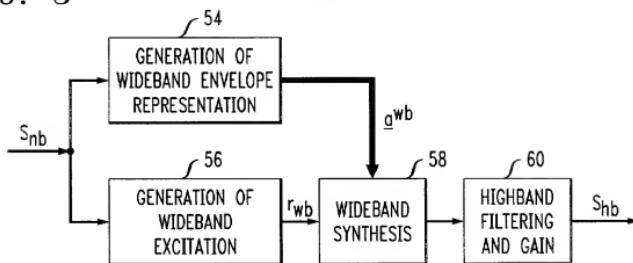


FIG. 4

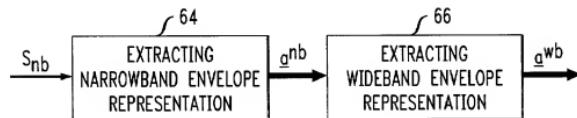


FIG. 5A

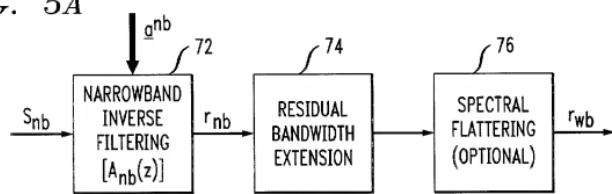
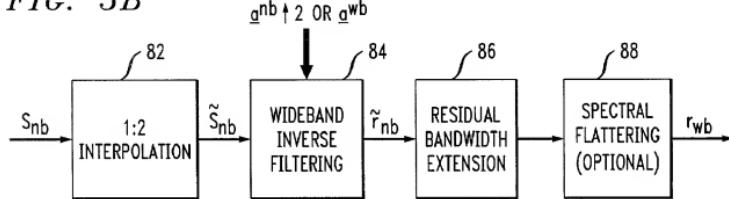


FIG. 5B



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FIG. 6

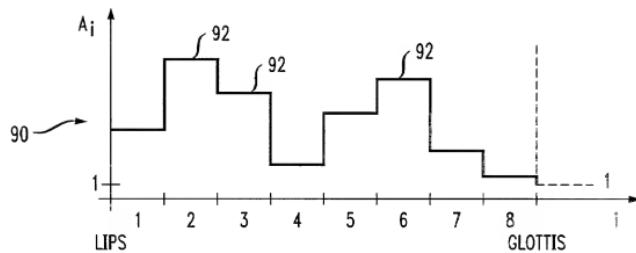


FIG. 7

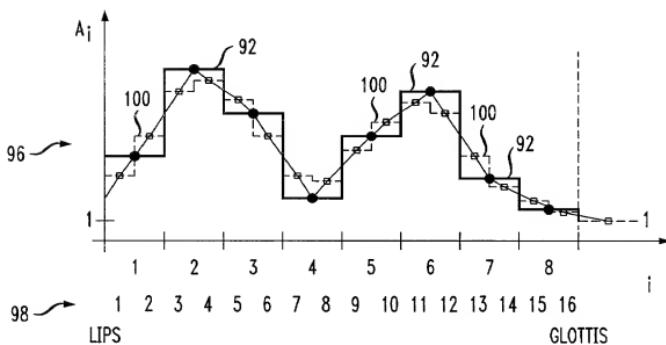
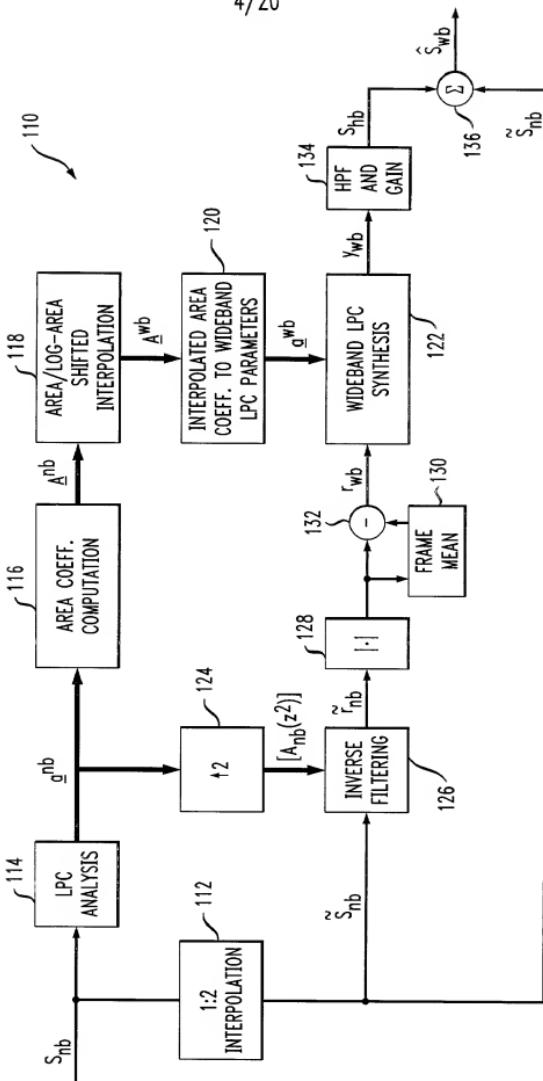
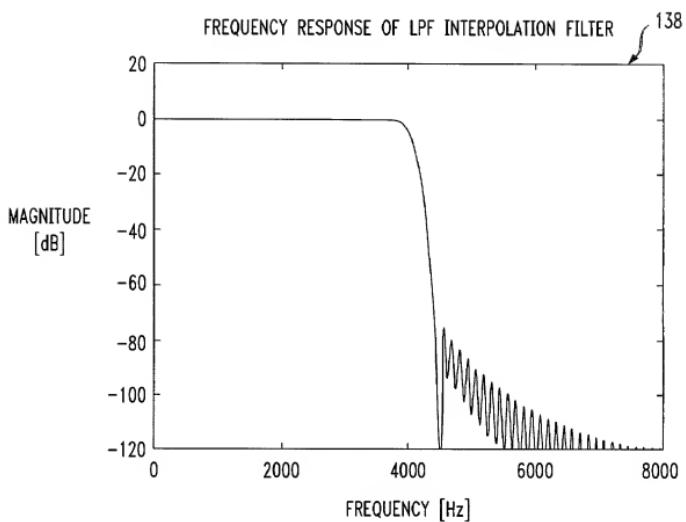


FIG. 8



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FIG. 9



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FIG. 10

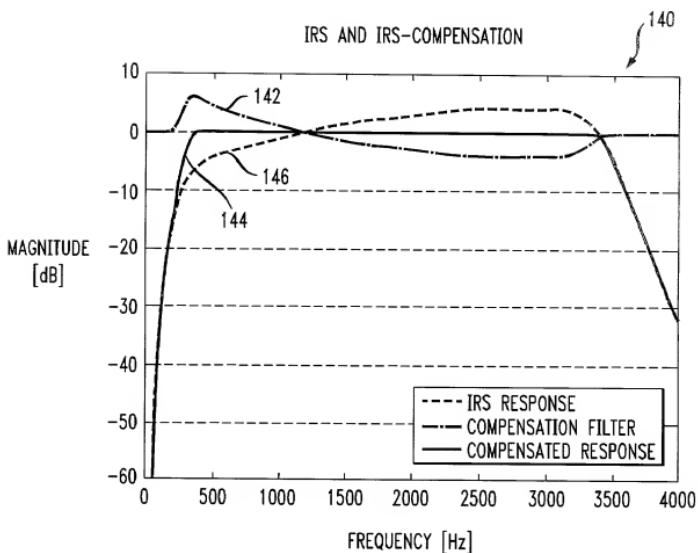
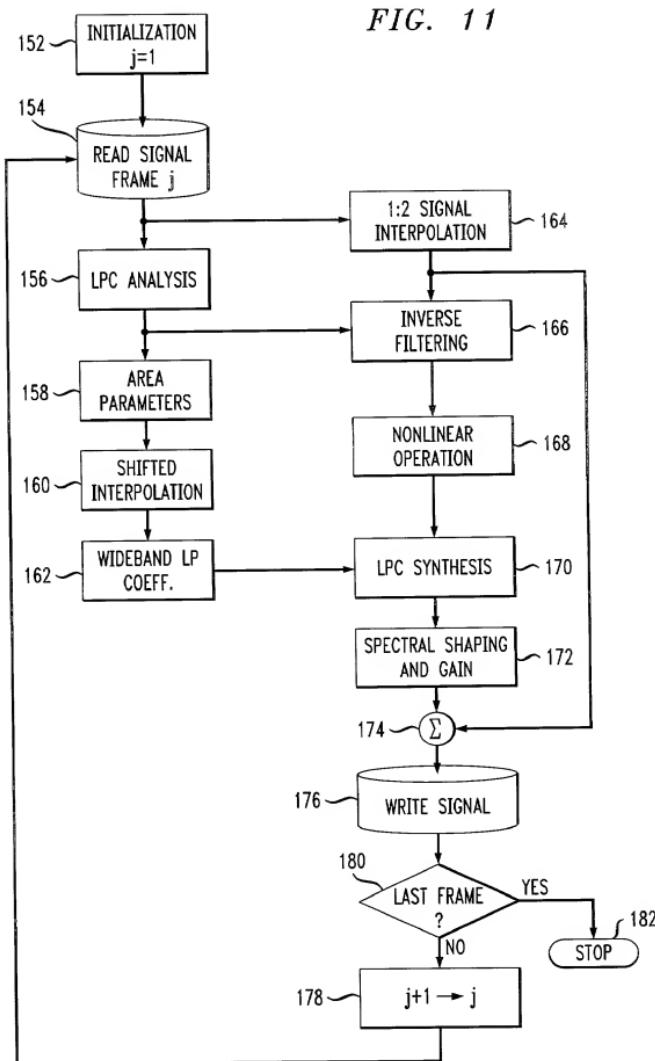


FIG. 11



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FIG. 12A

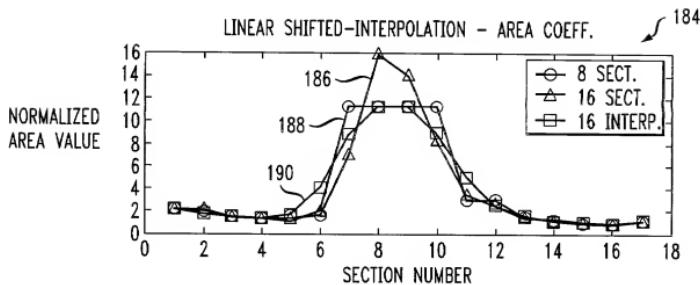
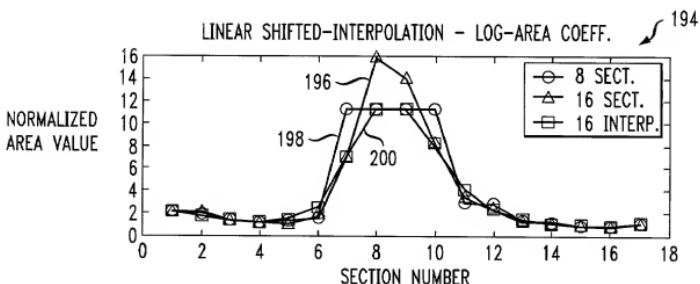


FIG. 12B



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FIG. 12C

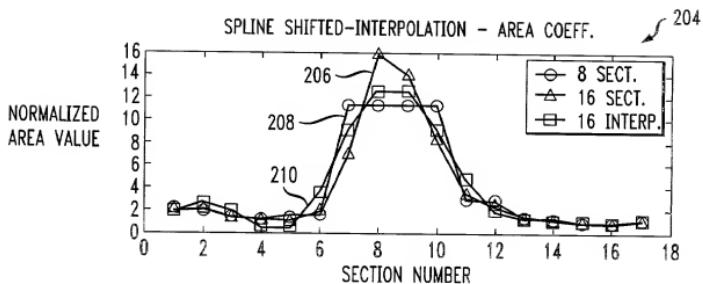
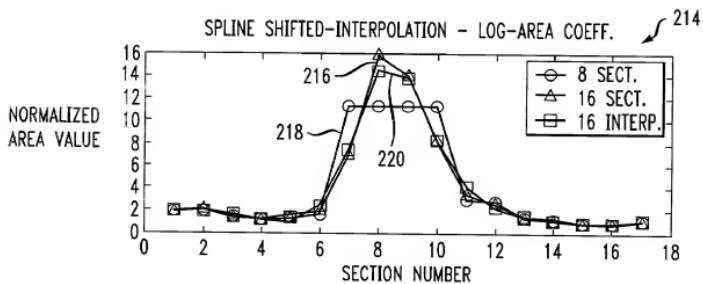


FIG. 12D



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FIG. 13A

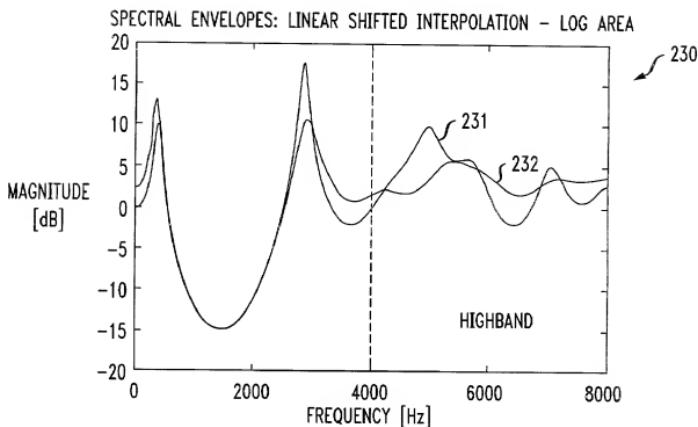
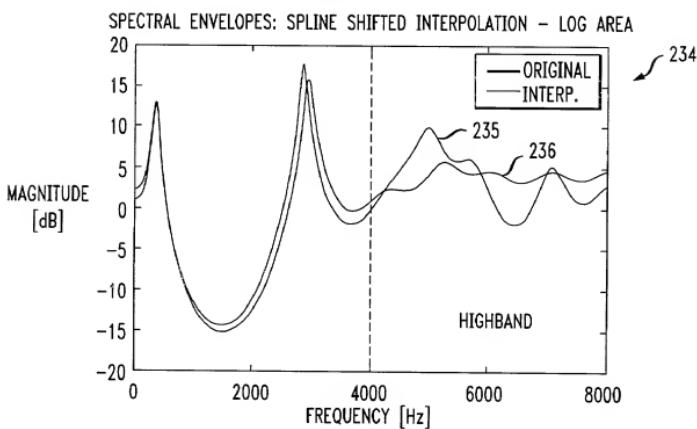


FIG. 13B



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FIG. 14A

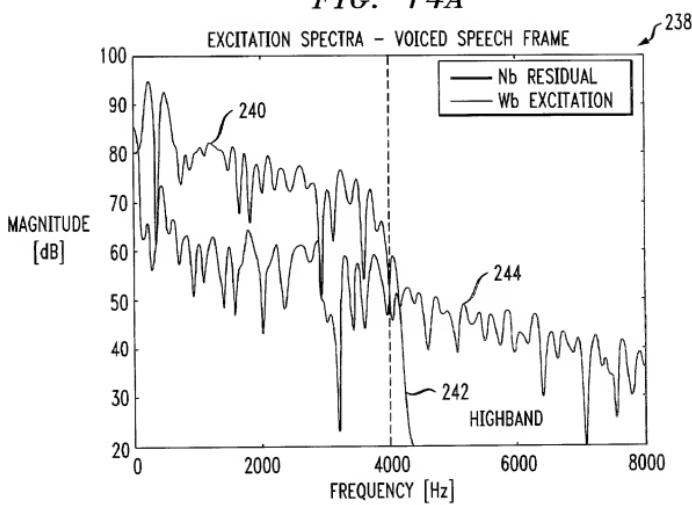
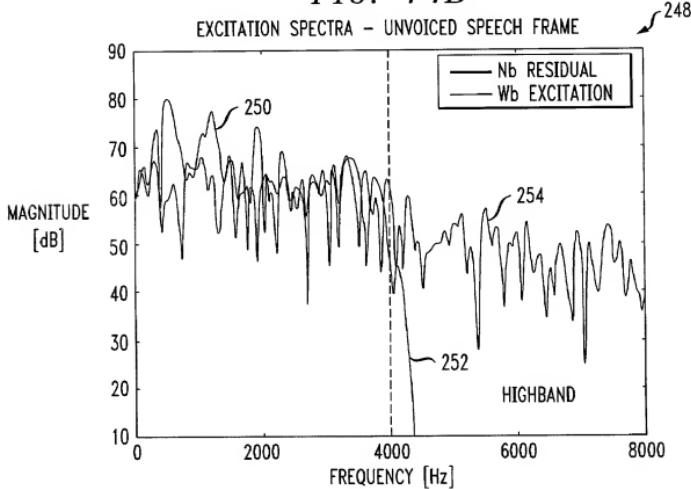


FIG. 14B



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FIG. 15A

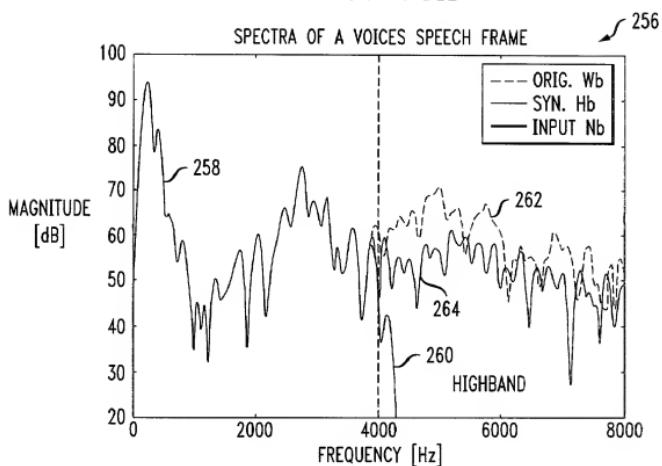
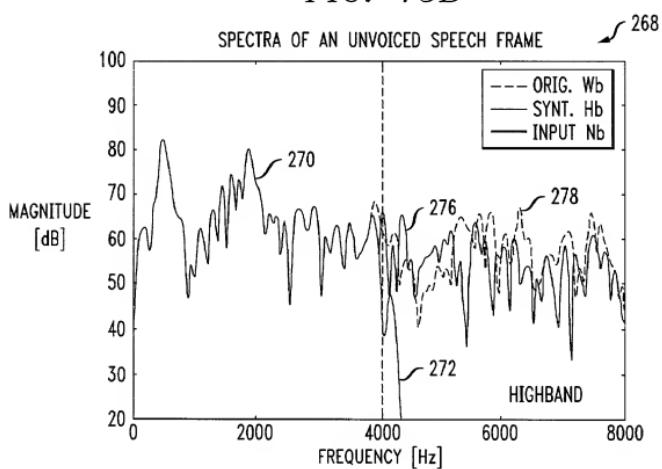


FIG. 15B



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FIG. 16A

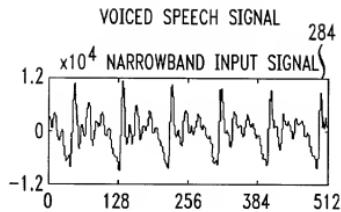


FIG. 16F

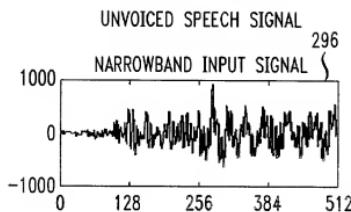


FIG. 16B

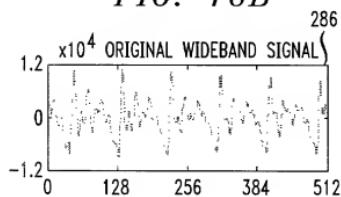


FIG. 16G

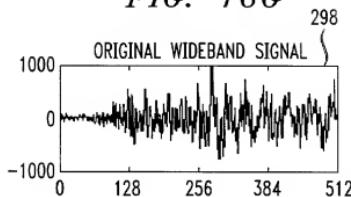
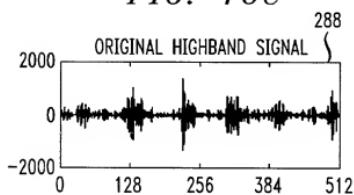
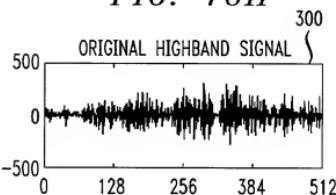


FIG. 16C



SAMPLE NO. IN FRAME

FIG. 16H



SAMPLE NO. IN FRAME

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FIG. 16D

VOICED SPEECH SIGNAL

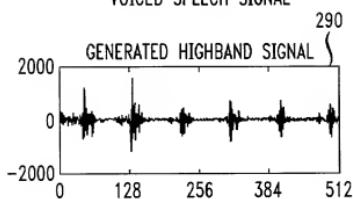


FIG. 16I

UNVOICED SPEECH SIGNAL

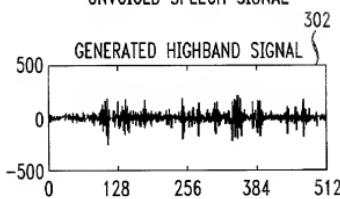


FIG. 16E

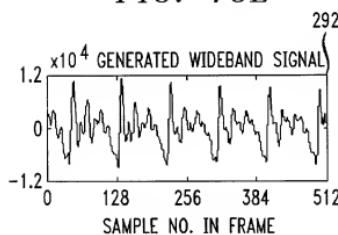
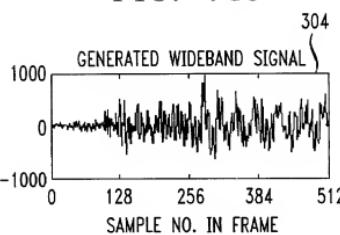


FIG. 16J



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FIG. 17A

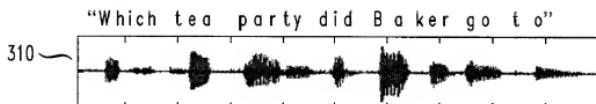
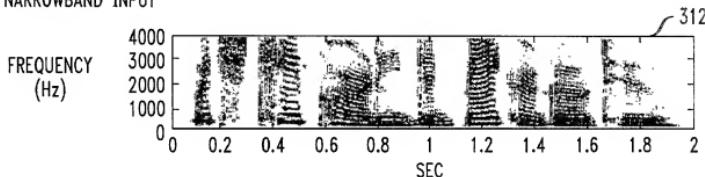
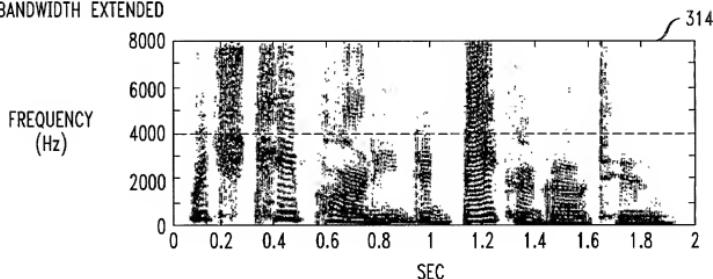
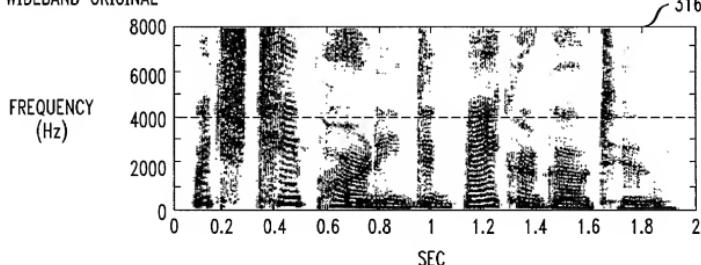
FIG. 17B
NARROWBAND INPUTFIG. 17C
BANDWIDTH EXTENDEDFIG. 17D
WIDEBAND ORIGINAL

FIG. 18

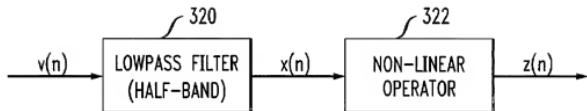
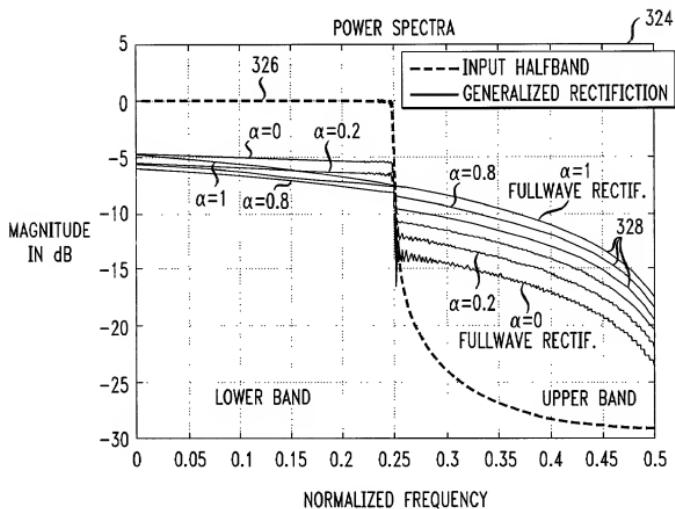
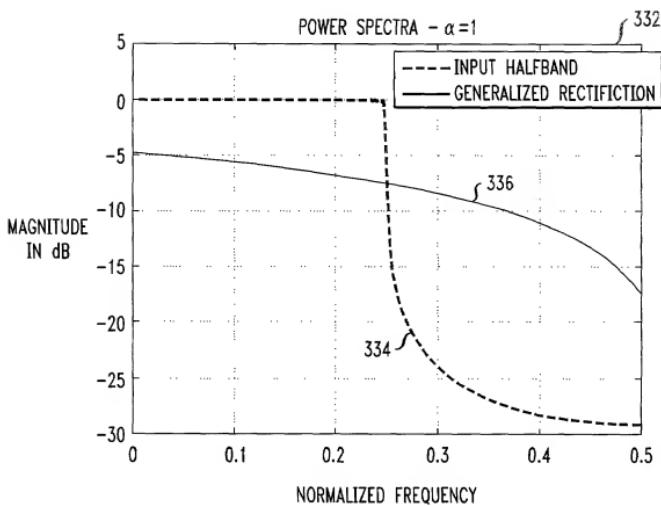


FIG. 19



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FIG. 20A



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FIG. 20B

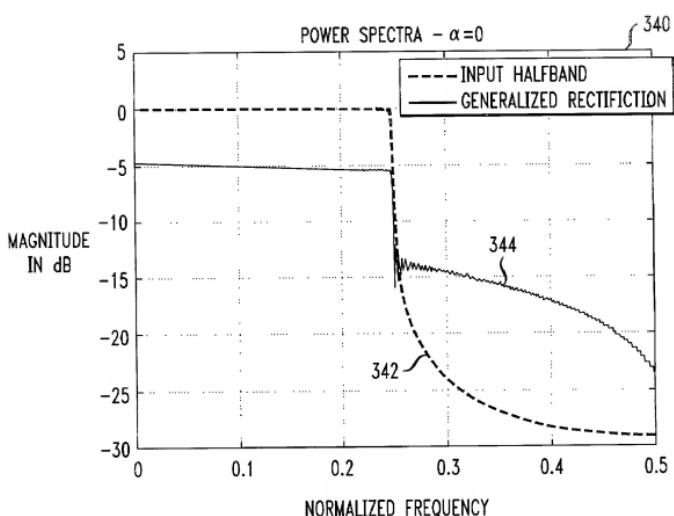
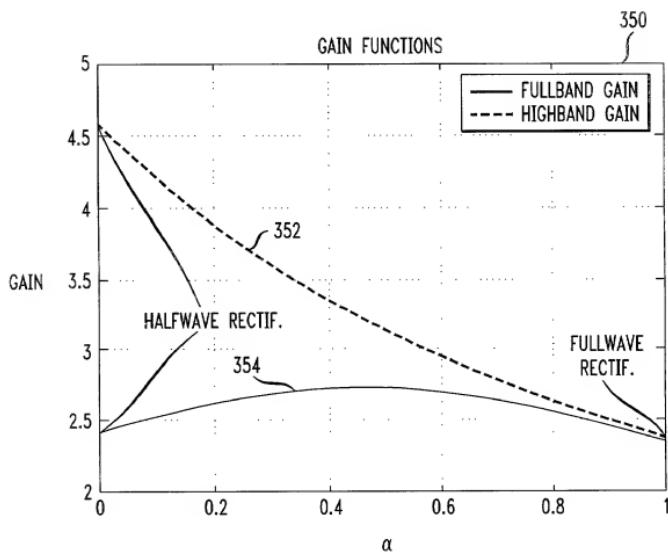


FIG. 21



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FIG. 22

